



PE51765

Configuration

- TNC Male Connector
- 50 Ohms

Features

- · Max. Operating Frequency 3 GHz
- Excellent VSWR of 1.25:1

Applications

· General Purpose Test

- · Straight Body Geometry
- Connector Interface Types: RG225, RG214, RG393, RG9
- · Gold over Nickel over Copper Plated Brass Contact

· Custom Cable Assemblies

Description

Pasternack's PE51765 TNC Male Connector Clamp/Solder Attachment for RG225, RG214, RG393 and RG9 Cable is part of our full line of RF components available for same-day shipping. Our TNC male connector operates up to a maximum frequency of 3 GHz and offers excellent VSWR of 1.25:1.

Our TNC male connector PE51765 datasheet specifications and drawing with dimensions are shown below in this PDF. Pasternack's broad catalog of RF, microwave and millimeter wave connectors allows designers to configure and customize their signal connections however they like. Whether the need is to provide an I/O for a board design, or simply create a custom cable assembly configuration, Pasternack has the right connector for the job. Pasternack can also expertly build your custom cable assemblies for you and ship same-day.

Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Frequency Range	DC		3	GHz
VSWR			1.25:1	
Insertion Loss			0.173	dB
Operating Voltage (AC)			500	Vrms
Dielectric Withstanding Voltage (AC)			1,500	Vrms
Inner Conductor DC Resistance			1.5	mOhms
Outer Conductor DC Resistance			1	mOhms
Insulation Resistance	5,000			MOhms
Impedance		50		Ohms

Mechanical Specifications

Size

 Size

 Length
 1.492 in [37.9 mm]

 Width
 0.748 in [19 mm]

 Height
 0.748 in [19 mm]

 Weight
 0.1 lbs [45.36 g]

 Mating Cycles
 500 Cycles

Mating Torque 4.1 to 6.1 in-lbs [[0.46 to 0.69 Nm]]





PE51765

Material Specifications

Description	Material	Plating	
Contact	Brass	Gold over Nickel over Copper	
Insulation	Teflon		
Outer Conductor	Brass	Copper-Tin-Zinc Alloy	
Body	Brass	Copper-Tin-Zinc Alloy	
Coupling Nut	Brass	Copper-Tin-Zinc Alloy	
Retaining Ring	Brass	Copper-Tin-Zinc Alloy	
Gasket	Silicone		
Washer	Brass	Copper-Tin-Zinc Alloy	

Environmental Specifications

Temperature

Operating Range -65 to +165 deg C

Humidity MIL-STD-202, Method 106

Thermal Shock MIL-STD-202, Method 107, Condition B Salt Spray MIL-STD-202, Method 101, Condition B

Compliance Certifications (see product page for current document)

Plotted and Other Data

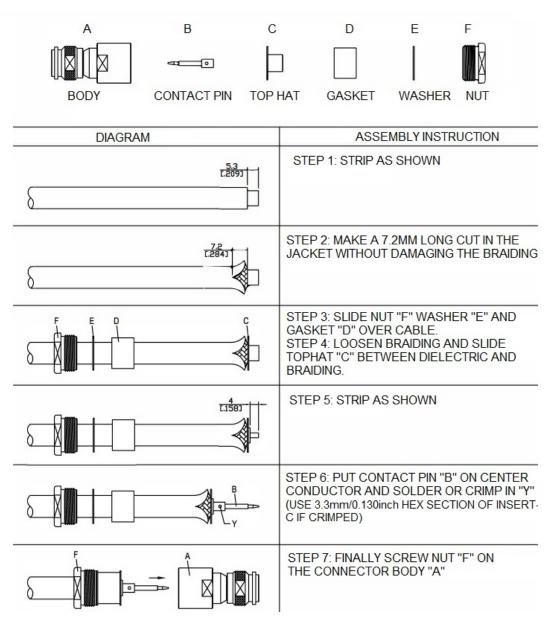
Notes:





PE51765

Assembly Instruction







PE51765

TNC Male Connector Clamp/Solder Attachment for RG225, RG214, RG393, RG9 from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99.4% availability and are part of the broadest selection in the industry.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: TNC Male Connector Clamp/Solder Attachment for RG225, RG214, RG393, RG9 PE51765

URL: https://www.pasternack.com/tnc-male-rg225-rg214-rg393-rg9-connector-pe51765.html

The information contained within this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part in order to impliment improvements. Pasternack Enterprises reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack Enterprises does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack Enterprises does not assume liability arising out of the use of any part or document.

